III. CLAIM AMENDMENTS

1. (Currently Amended) A method for transmitting information between applications ~~(A1, A2)~~ executed in a first ~~(TE1)~~ and a second data transmission device ~~(TE2)~~ in a data transmission system, <u>the method comprising:</u> <u>using</u> ~~in which information transmission~~ a data transmission protocol <u>in the information transmission</u>~~is used;~~ ~~wherein~~ ~~in the method~~ <u>performing</u> one or more protocol conversions ~~are conducted~~ in the protocol stack ~~(ST)~~ for the information to be transmitted, said protocol stack comprising at least an application layer ~~(L7)~~ and a physical layer ~~(L1)~~<u>;</u>~~,~~ ~~characterized in that~~ <u>and</u> <u>transmitting messages between the first data transmission device and the second data transmission device, the transmitting comprising</u> ~~at the transmission stage~~ <u>producing</u> <u>messages</u> <u>in the application layer</u> ~~(FR1) are produced~~ from the information <u>to be transmitted</u> ~~and that the production of the messages (FR1) is conducted in the application layer (L7)~~.

2. (Currently Amended) The method according to claim 1, ~~characterized in that~~<u>comprising transmitting</u> ~~in the method~~ at least two types of ~~messages~~<u>components</u> ~~are transmitted~~ in the messages, wherein the messages ~~(FR1)~~ contain information on the type of the ~~message~~ <u>component</u> transmitted in the message ~~(FR1)~~.

3. (Currently Amended) The method according to claim 2, ~~characterized in that~~<u>comprising</u> the messages ~~(FR1) are~~

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~~provided~~ at least with a header field ~~(H1)~~, on the basis of which the type of the message is determined.

4. (Currently Amended) The method according to claim 3, ~~characterized in that~~comprising dividing said header field ~~(H1) is divided~~ at least into first and second ~~two~~ different parts, wherein the first part ~~(C1)~~ is used in all messages ~~(FR1)~~ and ~~said~~ the second part ~~(T1)~~ is used, if necessary, in the transmission of the type-specific information of the message transmitted in the message.

5. (Currently Amended) The method according to claim 3, ~~characterized in that~~comprising providing the messages ~~(FR1) are~~ also ~~provided~~ with a data field ~~(D1)~~ to transmit information produced in the application ~~(A1, A2)~~.

6. (Currently Amended) The method according to claim 1, ~~characterized in that~~comprising using in the protocol stack ~~(ST)~~ at least a session layer ~~(L5) is used~~ between the application layer ~~(L7)~~ and the physical layer ~~(L1)~~, in which the protocol ~~(WSP, HTTP)~~ used therein contains data frames ~~(FR2)~~, containing at least a header field ~~(H2)~~ and a data field ~~(D2)~~, wherein the method further comprises transferring messages produced in the application layer ~~are transferred~~ to the data field ~~(D2)~~ of the data frames ~~(FR2)~~ of the session layer.

7. (Currently Amended) The method according to claim 1, ~~characterized in that~~comprising using the WAP system ~~is~~ at least partly ~~used~~ as the data transmission system.

8. (Currently Amended) The method according to claim 1, ~~characterized in that~~comprising using the Internet data transmission network ~~is~~ at least partly ~~used~~ as the data transmission system.

9. (Currently Amended) A data transmission system ~~which~~ comprising~~es~~ means for transmitting information by means of a data transmission protocol between applications ~~(A1, A1)~~ executed in a first ~~(TE1)~~ and second data transmission device ~~(TE2)~~ in a data transmission system ~~in which the information is arranged to be transmitted by means of a data transmission protocol, wherein the data transmission system comprises;~~ means for ~~conducting~~ performing one or more protocol conversions for the information to be transmitted in the protocol stack ~~(ST)~~, ~~which~~ the protocol stack comprising~~es~~ at least an application layer ~~(L7)~~ and a physical layer ~~(L1)~~, ~~characterized in that the data transmission system also comprises at least~~; and means ~~(MPU, MEM)~~ in the application layer for producing messages ~~(FR1)~~ from the information to be transmitted~~, and that the production of the messages (FR1) is arranged to be conducted in the application layer (L7)~~.

10. (Currently Amended) The data transmission system according to claim 9, ~~characterized~~ wherein at least two types of ~~messages~~ components are arranged to be transmitted in the messages ~~(FR1)~~, and wherein the ~~messages~~ components are supplemented with information on the type of the message transmitted in the message ~~(FR1)~~.

11. (Currently Amended) The data transmission system according to claim 10, ~~characterized in that~~ wherein the messages ~~(FR1)~~ are provided at least with a header field ~~(H1)~~, on the basis of which the type of the message is arranged to be determined.

12. (Currently Amended) The data transmission system according to claim 11, ~~characterized in that~~ wherein said header field ~~(H1)~~ is divided at least into first and second ~~two different~~ parts, wherein the first part ~~(C1)~~ is arranged to be used in all messages ~~(FR1)~~ and ~~said~~ the second part ~~(T1)~~ is arranged to be used, if necessary, in the transmission of the type-specific information of the message transmitted in the message.

13. (Currently Amended) The data transmission system according to claim 11, ~~characterized in that~~ wherein the messages ~~(FR1)~~ are also provided with a data field ~~(D1)~~ to transmit information produced in the application ~~(A1, A2)~~.

14. (Currently Amended) The data transmission system according to claim 9, ~~characterized in that~~ wherein in the protocol stack ~~(ST)~~ at least a session layer ~~(L5)~~ is used between the application layer ~~(L7)~~ and the physical layer ~~(L1)~~, in which the protocol ~~(WSP, HTTP)~~ used therein contains data frames ~~(FR2)~~, containing at least a header field ~~(H2)~~ and a data field ~~(D2)~~, wherein the messages produced in the application layer are arranged to be transferred to the data field ~~(D2)~~ of the data frames ~~(FR2)~~ of the session layer.

15. (Currently Amended) The data transmission system according to claim 9, ~~characterized in that~~ wherein the data transmission system comprises at least the WAP system.

16. (Currently Amended) The data transmission system according to claim 9, ~~characterized in that~~ wherein the data transmission system comprises at least the Internet data transmission network.

17. (Currently Amended) A terminal ~~(TE1, TE2)~~ ~~which~~ comprising ~~es~~ at least means ~~(MPU, MEM)~~ for executing applications ~~(A1, A2)~~; ~~and~~ means ~~(RF, ANT)~~ for transmitting information produced in the application to a data transmission system for ~~to~~ transmission of the information by means of a data transmission protocol to an application ~~(A1, A29~~ executed in a second data transmission device ~~(TE2)~~, ~~in which data transmission system information is arranged to be transmitted by means of a data transmission protocol, wherein the terminal (TE1, TE2) also comprises~~; means ~~(MPU, MEM)~~ for ~~conducting~~ performing one or more protocol conversions for the information to be transmitted in a protocol stack ~~(ST)~~ comprising at least an application layer ~~(L7)~~ and a physical layer ~~(L1)~~, ~~characterized in that the terminal (TE1, TE2) also comprises at least~~; and means ~~(MPU, MEM)~~ in the application layer for producing messages ~~(FR1)~~ from the information to be transmitted~~, and that the production of messages (FR1) is arranged to be conducted in the application layer (L7)~~.

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